

Flexible Microwave Cable

MECHANICAL CHARACTERISTICS

Jacket Diameter, inch (mm)	0.162 (4.115)
Outer Shield Diameter, inch (mm)	0.140 (3.560)
Dielectric Diameter, inch (mm)	0.120 (3.048)
Center Conductor Diameter, inch (mm)	0.036 (0.914)
Minimum Bend Radius, inch (mm)	0.500 (12.700)
Weight, grams/ft. (grams/meter)	13.180 (43.250)

ELECTRICAL CHARACTERISTICS

Impedance, ohms	DC-18	
Frequency Range	0.705	
Velocity of Propagation	29.3 (96.1)	
Capacitance, pF/ft. (pF/meter)	>90dB	
Shielding Effectiveness, dB @ 1GHz	Frequency	
Maximum Insertion Loss, dB/ ft. (dB/meter)	0.5 GHz	0.090 (0.295)
	1.0 GHz	0.120 (0.394)
	10.0 GHz	0.450 (1.476)
	18.0 GHz	0.650 (2.133)
	Power Handling	See Graph
Maximum Voltage, VRMS	2000	

ENVIRONMENTAL CHARACTERISTICS

Temperature Range, Celsius	-65 to +125
----------------------------	-------------

MATERIALS

Outer jacket	FEP
Braid	SPC Braid
Outer Shield	Silver plated copper tape
Dielectric	PTFE
Center Conductor	Solid SPCW

CUTAWAY

